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Census of Canada, 1986

1986 Census Products

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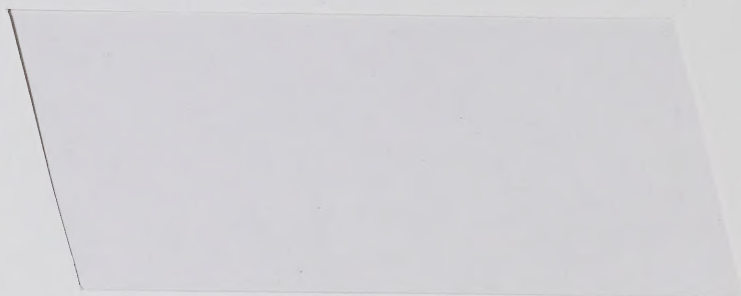


99-141

# *Census Recensement*

## *Canada 1986*

1986 CENSUS PRODUCTS





C99-1413


Government  
Publications

1986 CENSUS PRODUCTS



(également disponible en français)

November 1986



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## 1.0 BASIC TYPES OF 1986 CENSUS DATA

Basic demographic data, (e.g. age, sex, marital status, mother tongue) are collected from 100% of the population.

Detailed socio-economic data, (e.g. ethnic origin, labour force, education, income, dwelling characteristics) are collected from 20% of the population or one in every five households.

**BASIC DEMOGRAPHIC DATA (100%)**  
(data collected from all households in Canada)



**DETAILED SOCIO-ECONOMIC DATA (20%)**  
(data collected from one-fifth of all households in Canada)





## 2.0 1986 CENSUS CONTENT

(Universes and Variables available from the 1986 Census)

### 2.1 POPULATION UNIVERSE

<u>Subject Area</u>	<u>Examples of Variables</u>
Demography	<ul style="list-style-type: none"><li>- age</li><li>- marital status</li><li>- sex</li></ul>
Social and cultural characteristics	<ul style="list-style-type: none"><li>- year of immigration</li><li>- citizenship</li><li>- disability (1986)*</li><li>- mother tongue</li><li>- official language</li><li>- home language</li><li>- place of birth</li><li>- mobility status - place of residence 5 years ago</li><li>- ethnic origin</li><li>- aboriginal population (1986)*</li></ul>
Schooling	<ul style="list-style-type: none"><li>- certificates and diplomas</li><li>- number of years</li><li>- major field of study (1986)*</li></ul>
Labour Force	<ul style="list-style-type: none"><li>- labour force activity</li><li>- industry</li><li>- occupation</li><li>- class of worker</li></ul>
Income	<ul style="list-style-type: none"><li>- employment income</li><li>- government transfer payments</li><li>- other sources of income</li><li>- total income</li></ul>

\* New variable for the 1986 Census





## 2.0 1986 CENSUS CONTENT

### 2.2 FAMILY UNIVERSE

Examples of variables - status

(members or non-members)

- structure

(husband-wife or lone-parent)

- composition

(with or without children, number and age of children)

- family income



## 2.0 1986 CENSUS CONTENT

### 2.3 HOUSEHOLD UNIVERSE

Examples of variables - type  
(family or non-family)

- renter's or owner's major payments
- tenure  
(owner or tenant)
- household income
- household size





## 2.0 1986 CENSUS CONTENT

### 2.4 DWELLING UNIVERSE

Examples of variables - number of persons per room

- number of rooms
- period of construction
- principal heating fuel
- structural type
- value of dwelling





### 3.0 1986 CENSUS GEOGRAPHY

#### STANDARD CENSUS GEOGRAPHIC UNITS

Abbreviations	Standard Census Geographic Units	Capsule Description	Coverage	
			No. of Units in Canada 1986	Size (based on 1981 population counts)
CA	Census Agglomerations	Labour market areas with an urbanized core of at least 10,000 population, based on the previous census	114	From 10,000 to over 115,000 persons
CCS	Census Consolidated Subdivisions	Grouping of contiguous subdivisions	2,628	Less than 100 to around 2,000,000 persons
CD	Census Divisions	General terms applying to census divisions, counties, regional districts, regional municipalities and five other types of areas made up of census subdivisions	266	5,000 to over 2,000,000 persons
CMA	Census Metropolitan Areas	Main labour market areas of urban areas (urbanized cores) of at least 100,000 population, based on previous census	25	From 100,000 to over 3,000,000 persons
CMA/CA Parts	Census Metropolitan Area and Census Agglomeration Parts	Three types of areas - urbanized core, urban fringe and rural fringe within CMAs and CAs	359	From around 1,000 to almost 3,000,000
CSD	Census Subdivisions	General term applying to cities, towns, villages, Indian Reserves and settlements and unorganized territories	6,009	Less than 100 to around 1,000,000 persons



Abbreviations	Standard Census Geographic Units	Capsule Description	Coverage	
			No. of Units in Canada 1986	Size (based on 1981 population counts)
CT	Census Tracts	Permanently defined areas within large urban communities	3,776	About 4,000 persons
EA	Enumeration Areas	The basic area for which data are collected and the building block of all standard census geographic areas	44,080 <sup>(1)</sup>	About 600 persons
FED	Federal Electoral Districts	Areas that return a member to the House of Commons	282	About 85,000 persons
PCA	Primary Census Agglomerations	Labour market sub-region within a larger consolidated census metropolitan area (CMA) or consolidated census agglomeration (CA)	21 <sup>(2)</sup>	From 10,000 to about 115,000
PCMA	Primary Census Metropolitan Areas	Labour market sub-region within a larger consolidated census metropolitan area	12 <sup>(2)</sup>	From 100,000 to almost 3,000,000 persons
PCT	Provincial Census Tracts	Permanently defined areas outside large urban communities	1,837	About 5,000 persons
PR	Province/Territory	The major political division of the country	12	From almost 22,000 to over 9,000,000
UA	Urban Areas	An area with a population of 1,000 or more and a population density of 400 or more per square km.	940	From 1,000 to almost 3,000,000

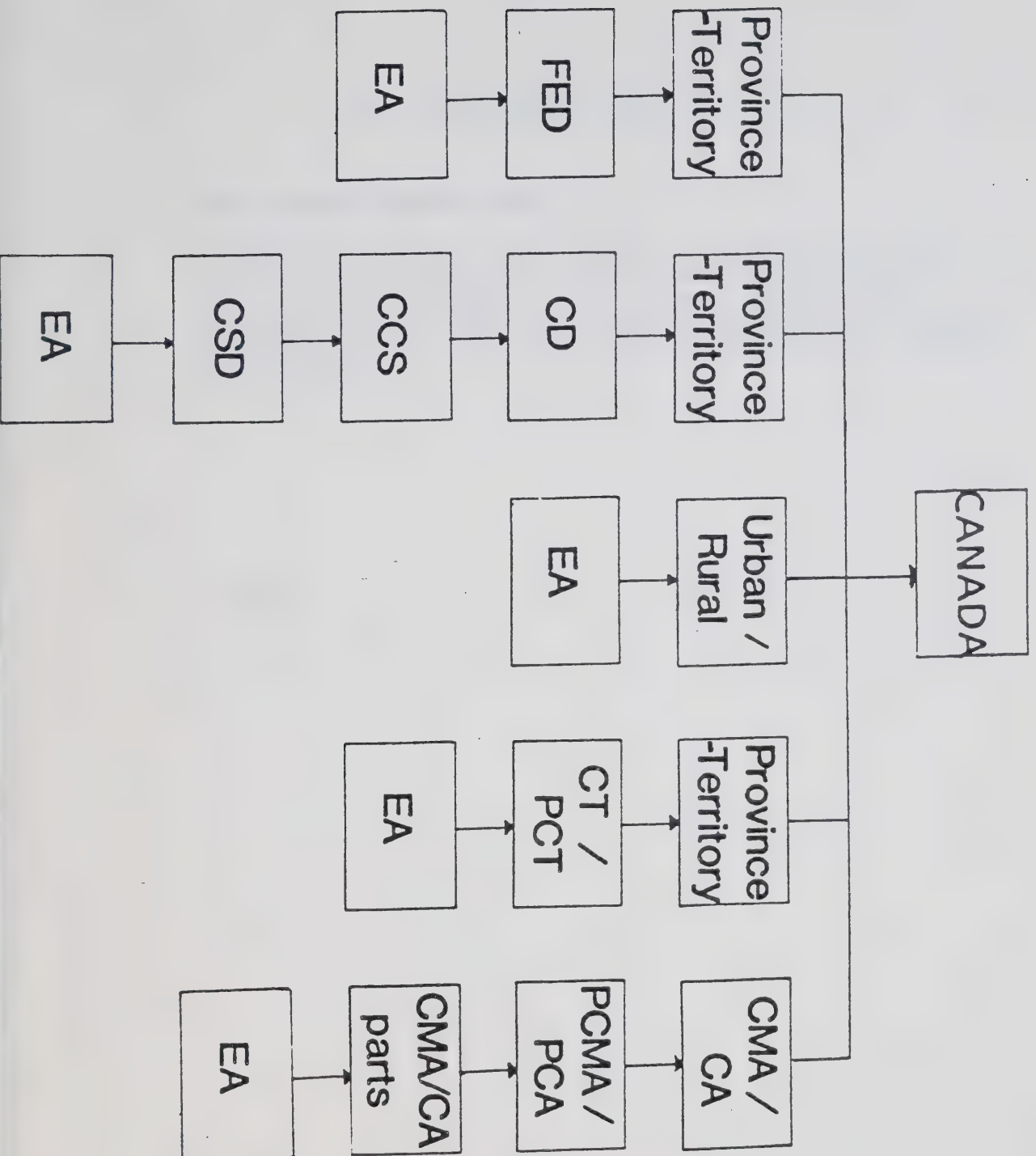
<sup>(1)</sup> Counts are as of November 14, 1986.

<sup>(2)</sup> PCMA's and PCA's have been introduced for the first time as part of the 1986 Census.





### 3.2 Interrelationships of Census Geographic Levels





### 3.0 1986 CENSUS GEOGRAPHY

#### 3.3 Non-Standard Geographic Areas

Census data can be tabulated for non-standard geostatistical areas by using the Census geocoding service. Possible formats include circles around points, grids, or other simple polygons. Examples of applications of geocoding include city wards which are defined as polygons on a map, and marketing target areas defined as circles of a specified diameter around central points.





## **4.0 OVERVIEW OF 1986 CENSUS PRODUCTS**

### **A. Publications**

- . Population and Dwelling Counts
- . Population and Dwelling Characteristics
- . Reference Products
- . Analytical Publications

### **B. Other Data Products**

- . Basic Summary Data Products
- . Semi-custom Data products
- . Custom Products

### **C. Geographic Products**

- . Maps
- . Special geographic products



## 5.0 PUBLICATIONS

### 5.1 POPULATION AND DWELLINGS COUNTS

#### 1. Population (5)

This series of 5 publications is designed to provide final unrounded population and dwelling counts for geographic distributions of Canada.

#### 2. Population and Dwelling Counts (12)

This series includes 12 publications, one for each province and territory, containing final unrounded population and dwelling counts for most standard levels of Census geography - CD, CSD, CCS, CMA, CA, PCMA, PCA, UP, Urban size group and Rural.

#### 3. Place Name Reference Lists (3)

These 3 publications list place names in the provinces and territories and show their level in terms of census geography (CD, CSD, UP etc.) along with counts.





## 5.0 PUBLICATIONS

### 5.2 POPULATION AND DWELLING CHARACTERISTICS

#### Number of Publications

100% DATA	20% DATA
--------------	-------------

1. The Nation

4

15

This series of 19 publications is designed to illustrate the scope and depth of census subject-matter, for Canada, the Provinces and Territories

2. Profiles

52

53

Profiles provide a statistical overview of a particular geographical area (see example on following page)

3. Special Interest Series

1-2

10-12

A number of other publications focussing on specific topics of interest for Canada, the Provinces and Territories are under consideration.



EXAMPLE FORMAT OF A PROFILE

TORONTO: 95-936

TABLE 1. SELECTED POPULATION, DWELLING, HOUSEHOLD AND CENSUS FAMILY CHARACTERISTICS, FOR CENSUS TRACTS, 1981

BASED ON 100% DATA

CHARACTERISTICS	TORONTO CMA - RMR (1)	CT - SR 001	CT - SR 002	CT - SR 003	CT - SR 004	CT - SR 005
POPULATION, 1976 (2)	2,803,101	644	604	14	6,188	3,412
POPULATION, 1981	2,998,947	670	557	-	6,238	3,696
LAND AREA IN SQUARE KILOMETRES, 1981	3 742.94	5.44	3.44	0.93	0.31	0.36
POPULATION DENSITY PER SQUARE KILOMETRE, 1981	801.2	123.2	161.9	-	20 122.6	10 266.7
SEX AND AGE GROUP:						
MALE, TOTAL	1,465,165	335	275	...	3,195	1,840
0- 4 YEARS	100,350	20	20	...	155	125
5- 9 YEARS	102,135	35	15	...	125	100
10-14 YEARS	112,985	30	15	...	100	85
15-19 YEARS	134,600	35	20	...	140	105
20-24 YEARS	140,255	35	20	...	285	190
25-34 YEARS	262,590	60	80	...	810	420
35-44 YEARS	198,115	25	45	...	475	260
45-54 YEARS	174,985	45	25	...	430	210
55-64 YEARS	130,865	35	20	...	385	175
65-69 YEARS	43,190	10	5	...	115	60
70 YEARS AND OVER	65,100	10	5	...	180	110
FEMALE, TOTAL	1,533,780	330	280	...	3,045	1,855
0- 4 YEARS	95,115	25	20	...	170	125
5- 9 YEARS	96,395	25	25	...	125	80
10-14 YEARS	108,325	45	20	...	90	75
15-19 YEARS	129,205	25	15	...	145	125
20-24 YEARS	146,545	30	15	...	335	180
25-34 YEARS	279,690	60	75	...	670	335
35-44 YEARS	200,085	30	40	...	335	220
45-54 YEARS	171,680	45	30	...	300	180
55-64 YEARS	141,595	30	15	...	375	225
65-69 YEARS	52,965	10	10	...	155	85
70 YEARS AND OVER	112,180	15	5	...	340	225
MARITAL STATUS:						
SINGLE (NEVER MARRIED), TOTAL	1,293,620	335	255	...	2,895	1,665
SINGLE (NEVER MARRIED), 15 YEARS OF AGE AND OVER	678,320	160	135	...	2,130	1,080
MARRIED (3)	1,491,785	280	260	...	2,520	1,470
WIDOWED	144,750	30	20	...	460	340
DIVORCED	68,785	25	30	...	365	215
MOTHER TONGUE:						
ENGLISH	2,136,975	560	515	...	4,210	2,545
FRENCH	45,455	10	10	...	175	90
ITALIAN	219,925	5	-	...	45	15
PORTUGUESE	78,785	5	-	...	80	75
CHINESE	67,910	55	-	...	115	75
GERMAN	58,390	5	15	...	120	70
OTHER	391,505	30	20	...	1,495	830
OCCUPIED PRIVATE DWELLINGS, TOTAL (4)	1,040,340	185	235	...	3,095	1,890
OWNED	587,300	120	165	...	240	190
RENTED	453,035	65	65	...	2,850	1,505
SINGLE DETACHED	418,815	20	230	...	205	100
APARTMENT, 5 OR MORE STOREYS	306,390	-	5	...	1,635	785
OTHER MULTIPLE DWELLINGS	314,525	165	-	...	1,245	800
SINGLE ATTACHED	196,335	165	-	...	190	180
APARTMENT, LESS THAN 5 STOREYS	103,545	-	-	...	980	595
DUPLEX	14,645	-	-	...	70	25
PRIVATE HOUSEHOLDS, TOTAL	1,040,340	185	235	...	3,095	1,890
BY NUMBER OF PERSONS:						
1	226,560	20	70	...	1,635	805
2	291,420	45	75	...	805	430
3	180,930	40	50	...	315	210
4-5	285,450	50	40	...	255	215
6-9	54,675	25	-	...	75	40
10 OR MORE	1,305	5	-	...	5	-
BY NUMBER OF FAMILIES:						
0	277,980	45	85	...	1,900	935
1	739,990	125	140	...	1,160	735
2 OR MORE	22,370	15	-	...	35	20
POPULATION IN PRIVATE HOUSEHOLDS, TOTAL	2,954,905	670	545	...	5,870	3,470
AVERAGE NUMBER OF PERSONS PER PRIVATE HOUSEHOLD	2.8	3.6	2.2	...	1.9	2.1

SEE NOTE (5) AND FOOTNOTE (5) AT END OF TABLE.





## 5.0 PUBLICATIONS

### 5.3 REFERENCE PRODUCTS

#### GENERAL

- . Dictionary - provides information which will assist users in understanding census variables.
- . Catalogue (Preliminary Edition) - provides all information on 2A (or 100%) data products and an overview of 2B (20%) data products.
- . Catalogue (Final Edition) - contains a list and description of available products and services, along with price and ordering information.
- . User Information Bulletins - a series of short, easy-to-read narratives on specific topics, (e.g. census geography).
- . Reference Papers Series - a series providing documentation on the census in somewhat more detail than the bulletins.

#### GEOGRAPHIC

- . Enumeration Area Reference Lists (10) - a series of 10 publications, linking EAs to higher levels of geography
- . Equivalent 1986 and by 1981 EAs (1) - shows the correspondence between 1981 and 1986 EAs, FED.
- . Reference Maps (2) - includes 2 publications containing reference maps for CDs, CSDs, CMAs and CAs.



## 5.0 PUBLICATIONS

### 5.4 ANALYTICAL PUBLICATIONS

- Content Series (16)      - a narrative series on 16 popular topics supported by simple tables and charts, which will cover all of the broad subject fields of the 1986 Census, i.e. demographic, ethno-cultural, labour, income and housing.
  
- Metropolitan Atlas Series (12)      - a series consisting of thematic maps, with supporting charts and summary statistics.



## 6.0 OTHER DATA PRODUCTS

### Categories of Other Data Products

### Range of Product Flexibility

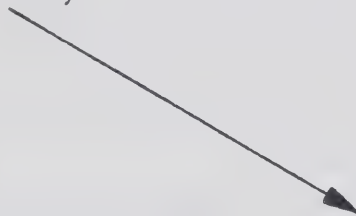
Basic Summary Data Products

No Flexibility

Semi-custom Data Products

Custom Products

Total Flexibility







## 6.1 BASIC SUMMARY DATA PRODUCTS

### Introduction

#### A. Description

- provide small area data for standard geographic areas
- available in machine-readable form

#### B. Types of Basic Summary Data Products

- EA, CSD, and CT cross-tabulations (40 Tables)
- Profiles for standard geographic areas (in machine-readable form)



## **6.1 BASIC SUMMARY DATA PRODUCTS**

### **6.1.1 EA, CSD and CT Cross-tabulations**

#### **Purpose**

- to provide basic data for standard geographic areas

#### **Content**

- Basic cross-tabulations (40 tables)
- fixed in advance
- data on each of the major subject areas

#### **Geographic Level**

- Enumeration Areas (EAs)
- Census Subdivisions (CSDs)
- Census Tracts (CTs)

#### **Medium**

- magnetic tape
- tables for CSD/CT available on paper
- availability of tables for CSD/CT on microfiche are under consideration

#### **Cost and Delivery Time**

- least expensive and fastest delivery service compared to all Other Data Products

**Note:** Basic summary tables will also be available through the Semi-custom Service for other geographic areas or formats.





## **6.1 BASIC SUMMARY DATA PRODUCTS**

### **6.1.2 Profiles for Standard Geographic Areas**

#### **Purpose**

- to make available in machine-readable form copies of the published profiles for standard geographic areas (refer to section 5.2)

#### **Content**

- as defined for the published profiles

#### **Geographic Level**

- standard geographic areas presented in publications

#### **Medium**

- magnetic tape
- diskette under consideration

#### **Cost and Delivery Time**

- available for a fixed price following release of published profiles



## 6.2 SEMI-CUSTOM DATA PRODUCTS

### Introduction

#### A. Description

- . Respond efficiently to requests for:
  - summary data
  - user-specified geographic areas and media
- . User selects:
  - geographic level
  - output medium

#### B. Types of Semi-custom Data Products

- . Profiles
- . Cross-tabulations



## 6.2 SEMI-CUSTOM PRODUCTS

### 6.2.1 Profiles

#### Purpose

- provide a summary of the characteristics of one or more user-specified geographic areas

#### Content

- present univariate distributions for most of the census subject areas
- follow a presentation similar to the published profiles (refer to section 5.2)

#### Types of Profiles:

- Basic Profiles
  - summary of a geographic area
- Special Profiles (under consideration)
  - summary of a subpopulation

#### Geographic Level

- standard geographic areas
- aggregations of standard geographic areas
- user-defined geographic areas

#### Medium

- Variety of output media, including:
  - paper
  - magnetic tape

#### Cost and Delivery Time

- reduced cost and faster delivery service compared to custom products.





## 6.2 SEMI-CUSTOM DATA PRODUCTS

### 6.2.2 Cross-Tabulations

#### Purpose

- to provide cross-tabulations of two or three variables

#### Content

- includes:
  - all basic summary cross-tabulations
  - cross-tabulations from publications suitable for small areas
  - additional tables on all census subject areas, (refer to section 2.1) plus themes of interest (e.g. The Elderly)

#### Geographic Level

- standard geographic areas
- aggregations of standard geographic areas
- user-defined geographic areas

#### Medium

- Variety of output media, including:
  - paper
  - magnetic tape

#### Cost and Delivery Time

- reduced cost and faster delivery service compared to custom products.



### 6.3 CUSTOM PRODUCTS

#### Purpose

- to provide tabulations of data as specified by the user

#### Content

- as specified by the user, in consultation with census staff
- user can specify "standard" variable distributions or new derived variables

#### Geographic Level

- standard geographic areas
- aggregations of standard geographic areas
- user-defined geographic areas

#### Medium

- as specified by the user
- options include:
  - paper
  - magnetic tape
  - microfiche

#### Cost and Delivery Time

- prepared on a cost-recovery basis, including costs for personnel and computer resources
- an individual cost and delivery time estimate is prepared for each request
- most expensive and requires longest delivery time of all Other Data Products
- advance planning suggested for major requests



## 7.0 SUMMARY OF OTHER DATA PRODUCTS

Levels of Flexibility				
Categories of Other Data Products	Content	Geographic Level	Medium	Cost and Delivery Time
Basic Summary Data Products	fixed	standard areas (EA, CSD, CT)	fixed	least
Semi-custom Data Products	fixed	standard or user-defined	moderate flexibility	intermediate
Custom Products	user-specified	standard or user-defined	total flexibility	most





## 8.0 SUMMARY OF OUTPUT MEDIA FOR PRODUCTS

### PRINT

- Publications
- Basic Summary Cross-tabulations (CSD/CT)
- Semi-custom Profiles
- Semi-custom Cross-tabulations
- Custom Products

### MAGNETIC TAPE

- Published Profiles (CMA/CA, FED, CSD, CT)
- Basic Summary Cross-tabulations (EA/CSD/CT)
- Semi-custom Profiles
- Semi-custom Cross-tabulations
- Custom Products

### DISKETTES

- Profiles for standard geographic areas (under consideration)
- Other data on a special request basis

### MICROFICHE

- Basic Summary Cross-tabulations (CSD/CT) (under consideration)
- Other data on a special request basis

### COMPACT DISK - READ ONLY MEMORY (CD-ROM)

- Under Consideration



## 9.0 GEOGRAPHIC PRODUCTS AND SERVICES

### GEOGRAPHIC FILES

- Area Master Files and Derivatives (e.g. Street Indexes)
- Geography Tape File
- Cartographic Library (CARTLIB)
- Postal Code Conversion Files

### MAPS

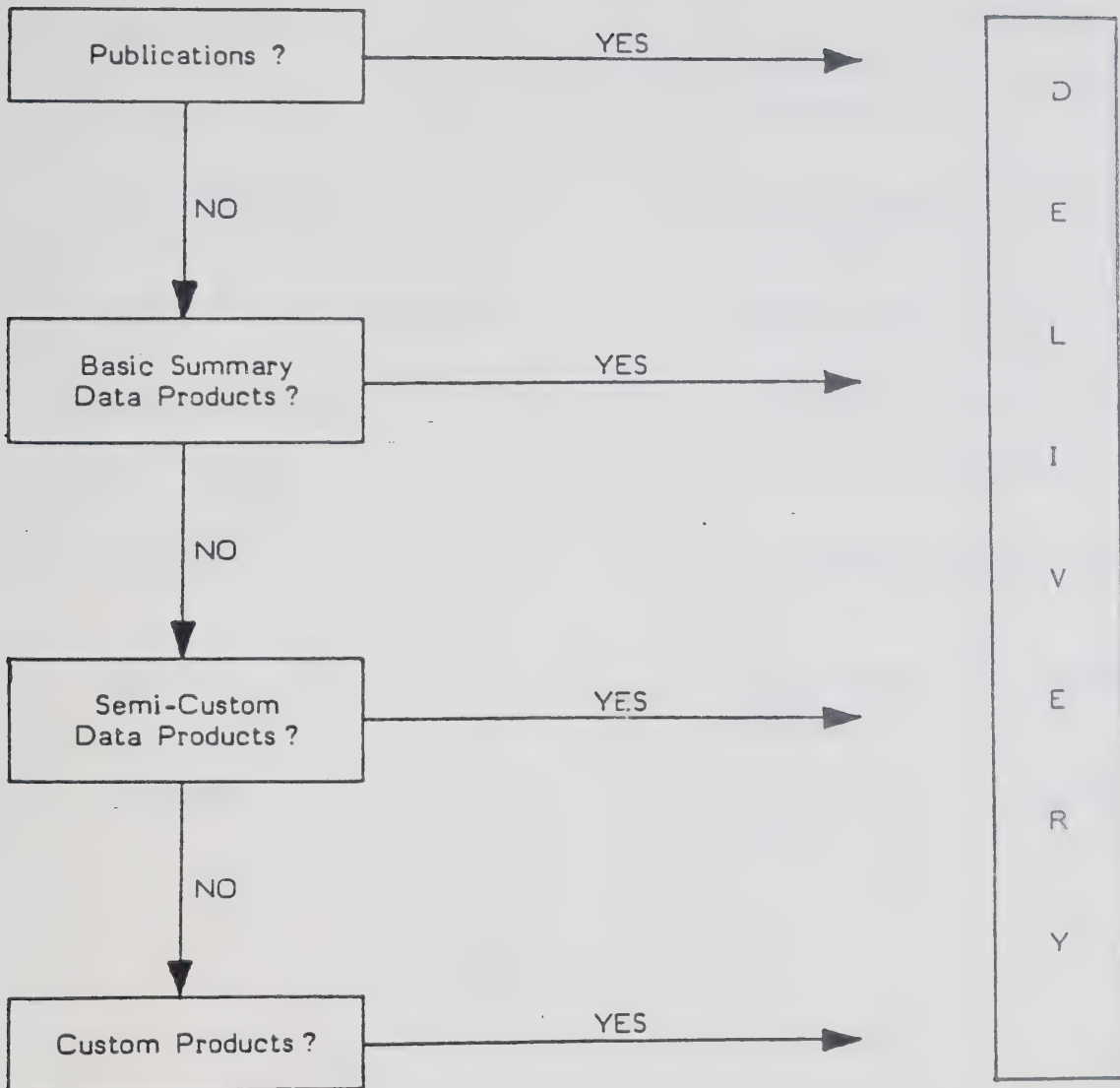
- Reference Map Publications
- Individual Reference Map Sheets

### SERVICES

- Geocoding
- Special Population Compilations
- Special Analysis / User Consultation / Systems Development



## 10.0 SELECTING THE BEST PRODUCT







## 11.0 OUTPUT SCHEDULE

December 1986	Maps
	Dictionary
January 22, 1987	Interim Population and Dwelling Counts
January 30, 1987 (approximate)	Interim Aboriginal Counts
March/April 1987	Preliminary Catalogue
	User Information Bulletins
April 1987	Final Population and Dwelling Counts
July 1987	Staged Release of 2A (100%) Data Begins
April 1988	Staged Release of 2B (20%) Data Begins



## 12.0 WHOM TO CONTACT

For further information on the 1986 Census Output Programme contact:

Douglas A. Norris  
Project Manager  
1986 Census Output  
2nd floor, "D-9"  
Jean Talon Building  
Ottawa K1A 0T6  
(613) 991-3928

or

Joan Coulter  
Manager  
Census Custom Products Service  
2nd floor, "D-2"  
Jean Talon Building  
Ottawa K1A 0T6  
(613) 991-3960



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